



AUG 28 2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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SEP 1 2003  
Applicant : Igor Troitski Art Unit: 1725  
Application No : 10/075,018  
Filing date : 02 14 2002  
For : System for high-speed production of high quality laser-induced  
damage images inside transparent materials  
Examiner : M. Alexandra Elve

**RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

This is in response to the Office Action mailed 08/18/2003 with respect to the above referenced application.

Please amend the application as follows:

**IN THE CLAIMS:**

Please cancel Claims 1&3-6 pending in the application.

Please examine Claim 2, which is rewritten in independent form:

Claim 2 (currently amended): The system ~~in accordance with claim 1~~ wherein several separate breakdown centers inside each laser-induced damage created by using the computing phase hologram; the right phase structure of the computing phase hologram is calculated so that the laser beam passing through the hologram is focused at several spots; these spots are located inside damage area and the distances between adjacent spots are larger than distance threshold  $d_0$  ( $d_0$  is a minimal distance which avoids an internal split between the separate small damages inside the damage area).

Please add the following new Claims:

Claim 7 (new): Method for high-speed production of high quality laser-induced damage image inside transparent material comprising: